

Recombinant Mouse Notch2 Protein, His-tagged

Cat. No. Notch2-1838M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Notch2 Protein (Leu26-Phe294) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu26-Phe294
Description	Enables NF-kappaB binding activity and enzyme binding activity. Involved in several processes, including heart looping; left/right axis specification; and marginal zone B cell differentiation. Acts upstream of or within several processes, including animal organ development; cholangiocyte proliferation; and positive regulation of BMP signaling pathway. Located in cilium and nucleus. Is expressed in several structures, including alimentary system; central nervous system; early conceptus; genitourinary system; and sensory organ. Used to study Hajdu-Cheney syndrome and pre-eclampsia. Human ortholog(s) of this gene implicated in Alagille syndrome and Hajdu-Cheney syndrome. Orthologous to human NOTCH2 (notch receptor 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.8 kDa Accurate Molecular Mass: 31 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Notch2 Notch gene homolog 2 (Drosophila) [Mus musculus (house mouse)]
Official Symbol	Notch2
Synonyms	NOTCH2; Notch gene homolog 2 (Drosophila); neurogenic locus notch homolog protein 2; Motch B; notch 2; N2; AI853703;
Gene ID	18129
mRNA Refseq	NM_010928
Protein Refseq	NP_035058
UniProt ID	O35516

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